

Technical Memorandum

February 24, 2025

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| From | Vanessa Skelton | Project No. | 12580438 |
| Project Name | TIS Pecks Marina Boat Storage | | |
| Subject | Traffic review for Fitzsimmons Road | | |

1. Introduction

GHD prepared a review of truck movement on Fitzsimmons Road to support a boat storage facility for Peck's Marina at the southeast corner of Fitzsimmons Road and Granite Ridge Road in the Township of Leeds and the Thousand Islands. The development will have one access from Fitzsimmons Road. The road aims to facilitate the transportation of large boats to the storage facility. The road needs to accommodate oversized loads, which will require modifications to improve accessibility and improve safety for efficient transport.

2. Traffic Impacts

With lengths of the boat-trailer units reaching up to 20 meters, the existing roadway widths in combination with tight road radii suggest that road widening will be required to access the property in question. Without widening, trucks will encroach into the opposing lanes. Further, it is suggested that tree clearing within the roadway be completed to increase visibility along the curves.

Road widening is recommended for the two major curves on Fitzsimmons Road between Thousand Islands Parkway and Granite Ridge Road. A geometric analysis using AutoTurn confirms that both boat-trailer units and standard semi-trailers can navigate these curves without conflicts with some widening.

Based on this analysis, the road should be widened 2m on east side and 3m on the west side for about 90 metres for the first curve. For the second curve, widening of 3m should occur only on the west side for about 160 metres.

These roadway widenings and geometric improvements will allow two-way traffic flow for boat-trailer units. The work will include vegetation clearing and grubbing, earth and rock excavation, drainage system modifications (culvert relocations), and roadway widening in compliance with municipal standards.

Regards,



Vanessa Skelton, P. Eng.

Project Manager, Transportation

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Site Plan

Site Images







